

What is claimed is:

1. A work form-measuring method comprising the steps of:

5 placing a work on a waiting position after the work has been machined by a machining tool; and

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A/1  
10 bringing a probe of a coordinate-measuring machine close to said work and then measuring the forms and dimensions of said work, said coordinate-measuring machine being arranged in the vicinity of said machining tool.

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2. A work form-measuring method as claimed in claim 1, wherein the direction of said probe of said coordinate-measuring machine moving to said work is the same as that of a tool of said machining tool moving to said work.

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3. A work form-measuring method as claimed in claim 2, 25 wherein said direction of said tool of said machining tool moving to said work and that of said probe of said coordinate-measuring machine moving to said work both are

~~horizontal~~

*Ref 1/5*

5 4. A work form-measuring method as claimed in claim 1,  
wherein said coordinate-measuring machine is capable of  
taking refuge to such a position as that said coordinate-  
measuring machine does not prevent said work from moving.

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*Sub A2*

15 5. A work form-measuring apparatus comprising:  
a changer for moving a work between a waiting  
position and a machining position at an inlet of a  
machining tool; and  
a coordinate-measuring machine for bringing a probe  
thereof close to said work, having machined by said  
20 machining tool, placed on said waiting position, to  
~~thereby measure the forms and dimensions of said work.~~

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*Sub A1*

6. A work form-measuring apparatus as claimed in claim  
5, further comprising refuge means for causing said

*Sub Amt*

coordinate-measuring machine to take refuge to such a position as that said coordinate-measuring machine does not prevent said work from moving.

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*Sub Obj*

7. A work form-measuring apparatus as claimed in claim 6, wherein said refuge means is adapted to cause said coordinate-measuring machine to take refuge in a linear motion manner.

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*Sub Obj*

8. A work form-measuring apparatus as claimed in claim 6, wherein said refuge means is adapted to cause said coordinate-measuring machine to take refuge in a rotational motion manner.

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*Sub Obj*

9. A work form-measuring apparatus as claimed in claim 5, wherein said machining tool and said coordinate-measuring machine ~~are adapted to~~ mutually exchange a measurement enabling signal and a measurement completion

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signal, both of which are related to the movement of said work by said changer.

10. A work form-measuring apparatus as claimed in claim 9, wherein said coordinate-measuring machine leaves a refuge position after having received a signal of

10 informing a change movement completion, from said machining tool, and said changer starts moving said work after having received a signal of informing a coordinate-measuring machine refuge completion.

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11. A work form-measuring apparatus as claimed in claim 5, further comprising rotating means for rotating the work which is placed on a measuring position.

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25 12. A coordinate-measuring machine disposed in the vicinity of a machining tool for getting a probe thereof close to a work, having machined by said machining tool,

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placed on a waiting position, to thereby measure the  
forms and dimensions of said work.

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